PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001011965	A1	20010222	WO 2000-EP8143	20000809
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000013371	A	20020507	BR 2000-13371	20000809
EP 1204323	A1	20020515	EP 2000-960499	20000809
EP 1204323	B1	20040714		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003506465	T	20030218	JP 2001-516328	20000809
AT 270817	T	20040715	AT 2000-960499	20000809
PT 1204323	T	20041130	PT 2000-960499	20000809
ES 2220533	T3	20041216	ES 2000-960499	20000809
IN 2002MN00092	A	20050318	IN 2002-MN92	20020125
MX 2002PA01453	A	20030128	MX 2002-PA1453	20020211
US 6821992	B1	20041123	US 2002-49976	20020709
PRIORITY APPLN. INFO.:			GB 1999-19499 A	19990818
			GB 1999-19500 A	19990818
			WO 2000-EP8143 W	20000809

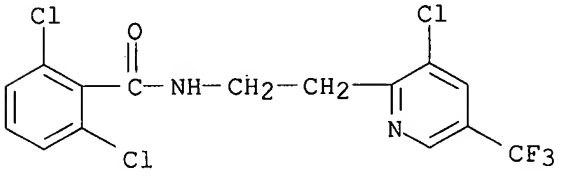
OTHER SOURCE(S): MARPAT 134:174246

AB The pyridine derivs. A1CR1R2LA2 [A1 = (un)substituted 2-pyridyl or its N-oxide; Y = LA2 or L1A3; A2, A3 = (un)substituted carbocyclyl or heterocyclyl; L = NR5C(:X)NR6, NR5C(:X)CHR3, CHR3NR5CHR4, etc.; L1 = NR9C(:X)X1CHR7, NR9C(:X)CHR7CHR8, etc.; R1-9 = CN, NO2, halo, etc.] are prepared as agrochem. fungicides.

IT 326816-35-7P
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation as fungicide)

RN 326816-35-7 HCAPLUS

CN Benzamide, 2,6-dichloro-N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 23:14:37 ON 12 SEP 2007)

FILE 'REGISTRY' ENTERED AT 23:15:34 ON 12 SEP 2007
L1 STRUCTURE UPLOADED

Updated Search

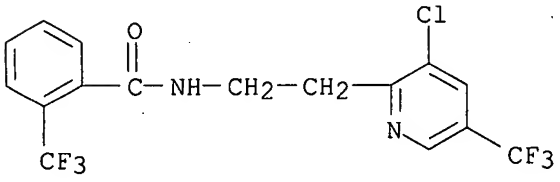
```
L2          426 S L1 FULL

     FILE 'HCAPLUS' ENTERED AT 23:23:24 ON 12 SEP 2007
L3           75 S L2
L4            2 S L3 AND MANSFIELD, D?/AU
L5           73 S L3 NOT L4
L6            1 S L5 AND COOKE, T?/AU

=> s l5 not l6
L7           72 L5 NOT L6

=> s l7 and thomas, p?/au
          3641 THOMAS, P?/AU
L8            0 L7 AND THOMAS, P?/AU

=> s l7 and coqueron, p?/au
            30 COQUERON, P?/AU
L9            2 L7 AND COQUERON, P?/AU

=> d l9, ibib abs hitstr, 1-2

L9   ANSWER 1 OF 2  HCAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2006:634725  HCAPLUS
DOCUMENT NUMBER:          145:103571
TITLE:                    Process for the preparation of 2-
                          pyridylethylcarboxamide derivatives
INVENTOR(S):              Lhermitte, Frederic; Coqueron, Pierre-Yves;
                          Desbordes, Philippe; Himmler, Thomas
PATENT ASSIGNEE(S):       Bayer Cropscience S. A., Fr.
SOURCE:                   PCT Int. Appl., 37 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.            KIND   DATE        APPLICATION NO.          DATE
     ----------------      ----   --------    --------------------     --------
     WO 2006067103          A2    20060629    WO 2005-EP56895          20051219
     WO 2006067103          A3    20061116
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
             MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
             SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
             VN, YU, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
     IN 2007DN03483         A     20070831    IN 2007-DN3483           20070510
PRIORITY APPLN. INFO.:                         EP 2004-356203       A   20041221
                                               WO 2005-EP56895      W   20051219
OTHER SOURCE(S):          CASREACT 145:103571; MARPAT 145:103571
AB   N-[2-(2-pyridyl)ethyl]carboxamide derivs. 2-pyridyl-CH2CHR1NR2CO-A [the
     pyridyl ring may be substituted; R1 is H, alkyl, haloalkyl, or
     alkoxycarbonyl; R2 is H or cyclopropyl; A is (un)substituted Ph or
     non-fused heterocyclyl] were prepared by treating 2-pyridyl-CHR3CO2-Alk (R3
     is H or CO2-Alk, where Alk is alkyl) with AcOCHR1NR2CO-A, followed by
```

Updated Search

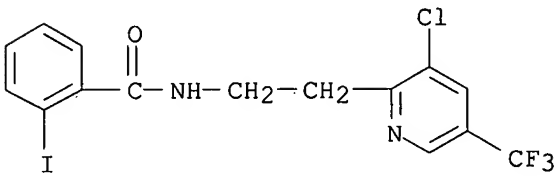
decarboxylation. Thus, treatment of di-Et 3-chloro-5-(trifluoromethyl)-2-pyridylmalonate (I) with N-acetoxy-2-(trifluoromethyl)benzamide (II) in THF containing NaH and decarboxylation (32% HCl/KCl/NMP) afforded N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridyl]ethyl]-2-(trifluoromethyl)benzamide. Reactant I was prepared by reaction of 2,3-dichloro-5-(trifluoromethyl)pyridine with di-Et malonate and reactant II was prepared from 2-(trifluoromethyl)benzoyl chloride by amidation, hydroxymethylation with formaldehyde, and acetylation.

IT 658066-35-4P 659743-90-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of pyridylethylcarboxamide derivs.)

RN 658066-35-4 HCAPLUS
CN Benzamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-(trifluoromethyl)- (CA INDEX NAME)



RN 659743-90-5 HCAPLUS
CN Benzamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-iodo- (9CI) (CA INDEX NAME)



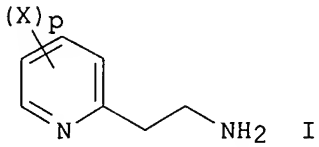
L9 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:630587 HCAPLUS
DOCUMENT NUMBER: 145:83234
TITLE: Process for the preparation of 2-(2-aminoethyl)pyridine derivatives
INVENTOR(S): Coqueron, Pierre-Yves; Lhermitte, Frederic; Perrin-Janet, Gilles; Dufour, Paul
PATENT ASSIGNEE(S): Bayer Cropscience S.A., Fr.
SOURCE: Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1674455	A1	20060628	EP 2004-356202	20041221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
WO 2006067106	A1	20060629	WO 2005-EP56900	20051219
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				

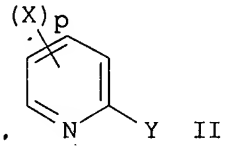
Updated Search

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

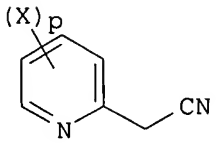
IN 2007DN03498 A 20070831 IN 2007-DN3498 20070510
PRIORITY APPLN. INFO.: EP 2004-356202 A 20041221
WO 2005-EP56900 W 20051219
OTHER SOURCE(S): CASREACT 145:83234; MARPAT 145:83234
GI



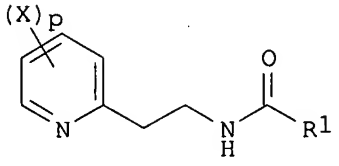
I



II



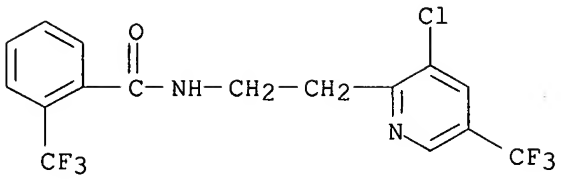
III



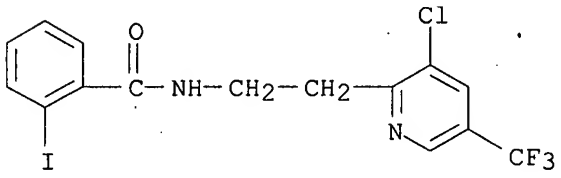
IV

AB 2-(2-Aminoethyl)pyridine derivs. [I; X = H, halogen, nitro, HO, (un)substituted NH2, (un)substituted alkyl CO2H , (un)substituted sulfanyl, (un)substituted carbamoyl, alkenyl, alkynyl, (un)substituted alkoxy, etc.; p = 1-4; e.g., 3-chloro-5-(trifluoromethyl)-2-(2-aminoethyl)pyridine] are prepared in high yield and selectivity by the cyanomethylation of a 2-halopoyridine derivative [II; Y = halogen; e.g., 2,3-dichloro-5-(trifluoromethyl)pyridine] with an alkyl cycanoacetate RO2CCH2CN (R = alkyl; e.g., Et cyanoacetate) to give a 2-(cyanomethyl)pyridine derivative [III; e.g., 3-chloro-5-(trifluoromethyl)-2-(2-cyanomethyl)pyridine] which is then catalytically hydrogenated into the and amidated with an alkanoic acid derivative R1COR2 (R1 = alkyl; R2 = halogen, O2CR3; R3 = alkyl; e.g., acetic anhydride) to give the pyridine amide derivative [IV; e.g., 3-chloro-5-(trifluoromethyl)-2-(2-acetylaminoethyl)pyridine] which is then subjected to acid (e.g., HCl) hydrolysis in water at 20° to reflux temperature
IT 658066-35-4P, N-[2-[3-Chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-trifluoromethylbenzamide 659743-90-5P, N-[2-[3-Chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-iodobenzamide
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(in process for preparation of 2-(2-aminoethyl)pyridine derivs.)
RN 658066-35-4 HCAPLUS
CN Benzamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-(trifluoromethyl)- (CA INDEX NAME)

Updated Search



RN 659743-90-5 HCAPLUS
CN Benzamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-iodo-
(9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 23:14:37 ON 12 SEP 2007)

FILE 'REGISTRY' ENTERED AT 23:15:34 ON 12 SEP 2007
L1 STRUCTURE UPLOADED
L2 426 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 23:23:24 ON 12 SEP 2007
L3 75 S L2
L4 2 S L3 AND MANSFIELD, D?/AU
L5 73 S L3 NOT L4
L6 1 S L5 AND COOKE, T?/AU
L7 72 S L5 NOT L6
L8 0 S L7 AND THOMAS, P?/AU
L9 2 S L7 AND COQUERON, P?/AU

=> s l7 not l9
L10 70 L7 NOT L9

=> s l10 and vors, j?/au
57 VORS, J?/AU
L11 0 L10 AND VORS, J?/AU

=> s l10 and briggs, h?/au
116 BRIGGS, H?/AU
L12 0 L10 AND BRIGGS, H?/AU

=> s l10 and lachaise, h?/au
4 LACHAISE, H?/AU
L13 0 L10 AND LACHAISE, H?/AU

=> s l10 and rieck, h?/au
162 RIECK, H?/AU

Updated Search

```
L14             0 L10 AND RIECK, H?/AU

=> s l10 and desbordes, p?/au
               48 DESBORDES, P?/AU
L15             0 L10 AND DESBORDES, P?/AU
```

Updated Search